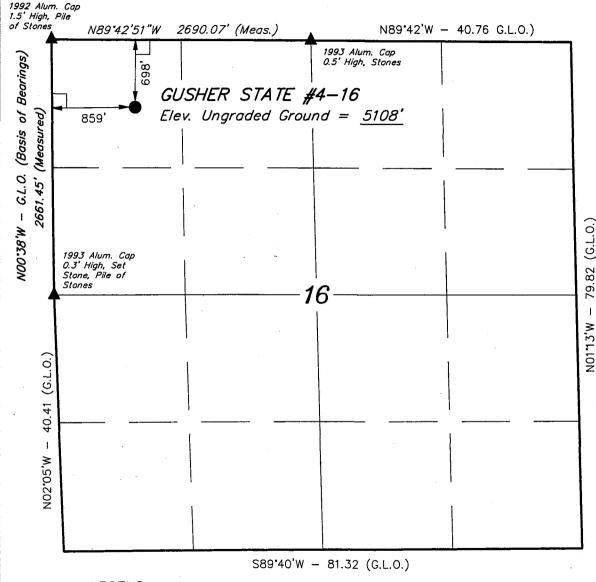
UTAH OIL AND GAS CONSERVATION COMMISSION							
REMARKS: WELL LOGELECTRIC LOGS	FILE X	WATER SANDS LOCAT	ON INSPE	SUB. REPORT/abd.			
9903/9 6A'D all 3/12/	99!						
	<u> </u>						
	·····						
DATE FILED DECEMBER 18, 1997							
LAND: FEE & PATENTED STATE LEASE NO.		PUBLIC LEASE NO.	ML-46290	INDIAN			
DRILLING APPROVED: FEBRUARY 3, 1998							
SPUDDED IN:							
COMPLETED: PUT TO PE	RODUCING:	,					
INITIAL PRODUCTION:							
GRAVITY A.P.I.			/	·			
GOR:							
PRODUCING ZONES:							
TOTAL DEPTH:							
WELL ELEVATION:							
DATE ABANDONED: 3-13-99 LA1	ל						
FIELD:					٠.		
UNIT:							
COUNTY: UINTAH COUNTY		, r					
WELL NO. GUSHER STATE 4-16		API NO. 43-04	7-33036				
LOCATION 698 FNL FT. FROM (N) (S) LI	NE. 859 FWL	FT. FROM (E) (W)		1/4 — 1/4 SEC.			
TWP. RGE. SEC. OPERATOR		TWP.	RGE. SEC.	OPERATOR			
		6 S	20E 16	SNYDER OIL CORPORATI	ON		

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

								
							5. Lease Designation ar	
			 				ML - 4629 6. If Indian, Allottee or T	
Α.	DDI ICATION EOD DE	DANT TO DE	III OB DEEDEN				,	ribe Name:
	PPLICATION FOR PE		· · · · · · · · · · · · · · · · · · ·				n/a	
1A. Type of Work:	,	DRILLX	DEEPEN				7. Unit Agreement Name	ð
40. 7	OII [V]	٠	OTHER.	011101 E 7011E		 1	n/a	
1B. Type of Well:	OIL X	GAS	OTHER:	SINGLE ZONE	MULTIPLE ZONE		8. Farm or Lease Name	:
2. Name of Operator							Gusher State 9. Well Number:	
•	ler Oil Corporatio	n		Attn: Joe I	Mazotti		9. Well Number:	
3. Address and Tele				Attil. DOE I	Mazotti	- 2	10. Field and Pool, or Wi	ildeat
	Broadway, Suite	2200. De	nver. CO 8020	2	303-592-4643		East Gusher	
4. Location of Well (I				" <u> </u>	000 002 4040		11. Qtr/Qtr, Section, Tow	nshin Range Meridian:
	W						111 44744, 555451, 751	nomp, rango, mondan.
At Surface: 6	98' FNL, 859' F £ L						NW/NW, Sec. 16,	T6S - R20F
								100 11202
At Proposed Prod	lucing Zone:							
14 Distance in miles	and direction from nearest t	own or nost off	fice:				12. County:	143 States
	iles southwest of Verna	•	iloe.				1	13. State:
15. Distance to neare		i, Utan		16. Number of acres in	lease.	17 Nun	Uintah nber of acres assigned to t	UTAH
property or lease		1		64		17.1941	40	1115 Well.
18. Distance to neare				19. Proposed Depth:		20 Rota	Rotary or cable tools:	
	olied for, on this lease (feet):	n	/a	847	'5'	20. 110.	Rotary	
	whether DF, RT, GR, etc.):			1			22. Approximate date wo	ork will start:
5	108' GR						January 3	
23.	PRO	OPOSED CA	ASING AND CEMEN	TING PROGRAM			T Garidary C	, , , , , , , , , , , , , , , , , , , ,
SIZE OF HOLE	GRADE, SIZE OF CASING		WEIGHT PE	ER FOOT	SETTING DEPTH		QUANTITY OF	CEMENT
12-1/4"	8-5/8", J-55		24#		850'		615 sx Class G	
7-7/8"	5-1/2", J-55		15.5#		8475'		200 sx Class G PLC	+ 130 sx Class G
	· · · · · · · · · · · · · · · · · · ·					1		· · · · · · · · · · · · · · · · · · ·
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					osed new productive zone. If p	roposal is t	o drill or deepen directions	ılly, give pertinent data
on substitute localio	ons and measured and true v	rentical deptilis.	Give blowout prevente	er program, ir any.				
See At	ttached Exhibits:							
00071	adding Eximple.							
E	xhibits A,B,C,D,E,F							
	OPE Diagram							
	0 point Drilling Plan				1	200	7वारगावा	2/
8	Surface Use Plan				15011	રું ((ું	EIVE	
Lease	Description:				111112			1 1 11
	•	. 16: ALL			117/1			1 1 11
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Surfac	e Owner: State of Utah			•			THE RESERVE CHARLES AND ADDRESS OF THE PARTY	
					l nu c	ור חוו	_, GAS & MIN	ING
		/			UIV. V	ווט קנ	_, uno a iiiii	
24.					A CONTRACTOR OF THE PARTY OF TH			
	//-			,				
Name & Signature	E / Start	\Rightarrow			Title: Sr. Regulatory S	<u>pe</u> cialist	Date:	12/15/97
J	oe Mazotti				·			
(75)								
(This space for St	ate use only)				MODDA		DV TUE OF	Vi malin ilan
					2 July 2 Company	•	BY THE ST	AIL
	1/2				OF U	AH	DIVISION C)F
API Number Assig	gned: <u>43-047</u>	- <u> </u>	5 6	Approval:	-01 . 6	AS.	AND MININ	IG
	,			. • •	MATE. JOI	3 /gs	3	* ************************************
					104	01		manufacture (manufacture (manufacture)
					D / Mal	<u> </u>	Jak .	
(1/93)			(See Instr	uctions on Reverse	(Side)	•	_1	

T6S, R20E, S.L.B.&M.



LEGEND:

__ = 90° SYMBOL

= PROPOSED WELL HEAD.

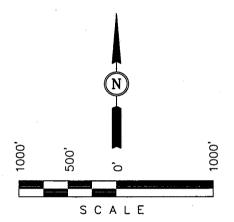
= SECTION CORNERS LOCATED.

SNYDER OIL CORP.

Well location, GUSHER STATE #4-16, located as shown in the NW 1/4 NW 1/4 of Section 16, T6S, R20E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 16, T6S, R20E, S.L.B.&M. TAKEN FROM THE VERNAL SW, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5060 FEET.



CERTIFICATE

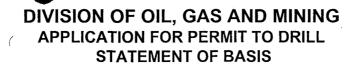
THIS IS TO CERTIFY THAT THE ABOVE PART WAS IRREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS ME OR UNDER LY
SUPERVISION AND THAT THE SAME FREE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELLEF

REDISTERED LAND SURVEYOR REGISTRATION NO. 161319

UINTAH ENGINEERING & LAND STRVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

1" = 1	000'		DATE SURVEYED: 11-08-97	DATE DRAWN: 11-11-97
PARTY B.B.	D.R.	D.R.B.	REFERENCES G.L.O. PLA	·Τ
WEATHER			FILE	
CO	OĻ		SNYDER OIL C	ORP.



Operator Name: SNYDER OIL CORPORATION.
Name & Number: GUSHER STATE 4-16
API Number: 43-047-33036
Location: 1/4,1/4 NW/NW Sec. 16 T. 6S R. 20E
Geology/Ground Water:
According to tech. Pub. 92 the base of moderately saline water is at a depth of approximately 6000
feet in this area. High quality ground water may be encountered in sands throughout the Uinta. The
proposed casing program calls for surface casing at 850 feet, cemented to surface. A production
casing will be set at total depth and cemented with the lead cement top above the top of the Green
River Formation at approximately 4800 feet. The tail cement will place cement well above all
producing intervals. This program will adequately protect and isolate any water zones encountered
and will also protect and isolate the producuing zones.
Reviewer: D. Jarvis
Date: 1-12-98
Surface:
THE PRE-SITE INVESTIGATION OF THE SURFACE WAS PERFORMED BY FIELD
PERSONNEL ON 1/7/98. ED BONNER WITH STATE TRUST LANDS AND JACK LYTLE WITH
THE DIVISION OF WILDLIFE RESOURCES WERE NOTIFIED OF THIS PRE-SITE
INVESTIGATION ON 12/31/97 NEITHER CHOSE TO ATTEND. A LINER WILL NOT BE
REQUIRED FOR THE RESERVE PIT. 100' SOUTHWEST OF PROPOSED WELL IS AN DRY
HOLE MARKER WITH "POINT STATE 4-16 ML22039" WELDED ON POST.
DANID W. HACKEODD
Reviewer: DAVID W. HACKFORD
Date: 1/9/98
Conditions of Approval/Application for Permit to Drill:

1.....RESERVE PIT SHALL BE CONSTRUCTED EAST OF WELL BORE.

2.....TOPSOIL SHALL BE REMOVED AND STOCKPILED ON SOUTH EDGE OF LOCATION.

SNYDER OIL CORPORATION Gusher State 4-16 NWNW, Section 16, T6S-R20E Uintah County, Utah State of Utah Lease No. ML - 46290

DRILLING PLAN

- 1. Geologic name of surface formation: Uinta
- 2. The estimated tops of important geologic markers:

Formation	Depth(ft)	Hydrocarbon Bearing	Mineral Zones	Bearing
Uinta	Surface	Yes		
Green River	4825' (+290)	Yes		
Douglas Creek	7810' (-2695)	Yes		
K-1	7875' (-2760)	Yes		
K-2	7985' (-2870)	Yes		
K-3	8130' (-3015)	Yes		
K-4	8275' (-3160)	Yes		
TD	8475' (-3360)			

3. Anticipated BHP: 3150 psi

Anticipated Fracture Gradient: .80 psi/ft

All shows of fresh water and minerals will be reported and protected.

4. The proposed casing program, including the size, grade weight per foot and condition of each string:

Size	Тор	Bottom	Weight	Grade	Thread	Cond.
8-5/8"	0	850'	24#	J-55	STC	New
5-1/2"	0	TD	15.5#	J-55	LTC	New

Surface casing shall be pressure tested to .22 psi/ft of total depth or 1500 psi, which ever is greater but not to exceed 70% minimum internal yield. Production casing will be tested to 3500 psi at surface.

CEMENT:

Approximate Volumes / Grades / Yields:

Surface String:

Cement will be circulated to surface; estimated volume (180% of theoretical value): 615 sxs Class G with 2% CaCl2 @ 15.8 ppg (1.14 ft³/sx yield).

Production String:

Top of the lead cement will be 4300' below surface to cover at least 500' above the top of the Green River formation (estimated to be 4825' below surface). The base of moderately saline ground water is estimated to be 1000' below sea level or 6108' below surface, per State of Utah Dept of Natural Resources Technical Publication No. 92. "Base of Moderately Saline Ground Water in the Uinta Basin. Utah."

The top of the tail cement will be at least 200' above the top of the Douglas Creek member of the Green River formation (estimated to be 7810' below surface).

Estimated volume is guage hole + 30%.

<u>Lead Cement:</u> 220 sxs Class G Prem Lite Cement with 28% Poz and 10% Gel (11.0 ppg and 3.42 ft³/sx yield).

Tail Cement: 130 sxs Class G with 10% Gypsum and 3% Salt (14.2 ppg and 1.63 ft³/sx yield).

Actual volumes will be calculated and adjusted with caliper log and service company analysis prior to cementing. 10% excess will be pumped.

5. The minimum specifications for pressure control equipment which will be provided is included on the schematic diagram attached, showing size, pressure ratings testing procedures and testing frequency:

2000# BOP with 4-1/2" pipe rams 2000# BOP with blind rams

Manifold includes appropriate valves, positive and adjustable chokes, kill line and gas separator to control abnormal pressures. BOP's will be pressure tested to full working pressure at installation and will be functionally cycled on each trip. After a period of one month and each following, assuming drilling operations are continuing, the BOP's will be tested.

Accumulator will have 160 gallon capacity with backup system to be run on rig air or bottled nitrogen. The accumulator will be hydraulically driven with primary power of gas or electric motor. Primary controls will be located off the drilling floor at ground level with backup controls on the accumulator.

Safety valve and subs will fit all drill string connections in use. Visual mud monitoring will be conducted during operations.

6. The type and characteristics of the proposed circulating medium to be employed for controlling formation pressures during rotary drilling and the quantities and types of mud and weighing material to be maintained:

Top Int.	Bottom Int.	Туре	Weight (ppg)	Visc	pН	Water Loss	Remarks
0	4825'	Air / Mist	NA	NA	NA	NA	Air drill to base of Uinta Fm.
4825'	TD	DAP- Wtr	8.4	27-35	8.5 - 9	NC	Min. Wt.

(NA - Not Applicable, NC - No Control)

Snyder Oil Corporation requests variances from the regulation/s requiring that:

- a) The blooie line be straight, and that
- b) A continuous igniter be on the blooie line as a mist system will be used.

Quantities of Mud material will be maintained on site to increase mud weight if abnormal pressures are encountered.

- 7. The auxiliary equipment to be used:
 - a) Upper and lower kelly cocks.
 - b) An inside BOP on the floor with proper connections to fit the drill pipe and collars.
- 8. The testing, logging and coring program to be followed:

Logs: DIL/GR

TD to base surface casing

Compensated Neutron Lithodensity;

TD to 500' above Douglas Creek

Sonic:

TD to base surface casing

(at operators discretion)

9. No anticipated abnormal pressures or temperatures expected to be encountered:

Anticipated bottom-hole pressures are approximately 0.38 psi/ft. No hydrogen sulfide expected.

10. The anticipated starting date and duration of the operation:

Starting Date:

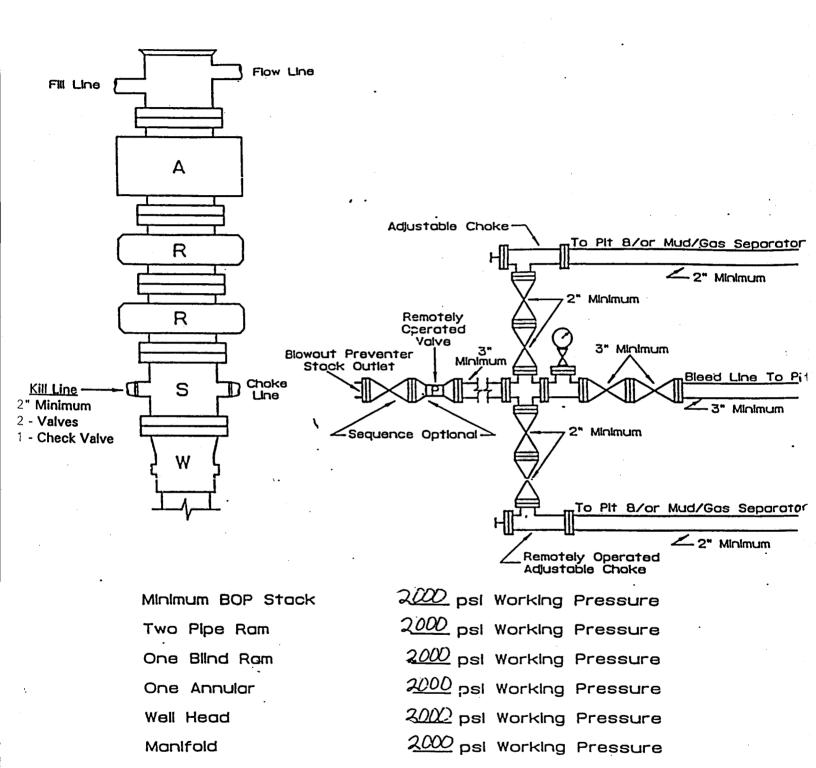
January 30, 1998

Duration:

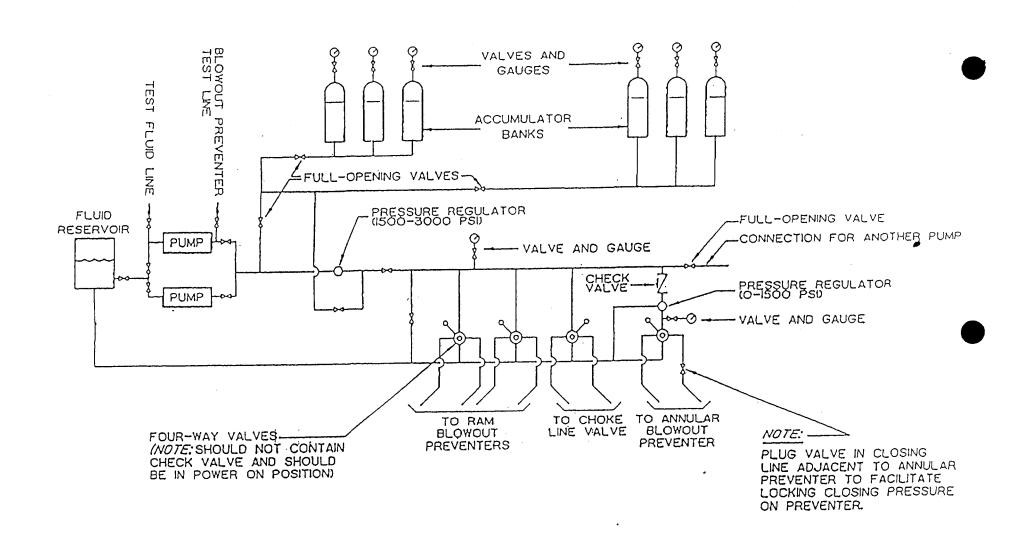
20 days

DOUBLE RAM TYPE PREVENTERS

(2000 psi System)



TYPICAL BLOWOUT PREVENTER CLOSING UNIT ARRANGEMENT



Surface Use Plan

Company: Snyder Oil Corporation

1625 Broadway, Suite 2200 Denver. Colorado 80202

Attn: Joe Mazotti

303-592-4643

Well Name: Gusher State 4-16

Location: NW/NW, Sec. 16, T6S - R20E

Uintah County, Utah

Lease: ML - 46290

1. Existing Roads

- A. The existing access road extends 1.0 miles northest of Utah State Highway 209, 17.0 miles southwest of Vernal, Utah (see Exhibits A&B).
- B. The existing roads will be maintained is as good or better condition than now exists, meeting standards listed in BLM Manual Section 9113 for a resource road.
- C. If the access road is dry during construction, drilling, and completion activities water the access road to help road compaction and minimize soil loss due to blowing dust.

2. Access Roads to be Constructed

- A. The new road will be completed as a single lane 16 foot subgrade road with no turnouts. (See Exhibit B)
- B. Construct the access road and associated drainage structures in accordance with BLM roading guidelines as stated in the BLM/USFS publication: <u>Surface Standards for Oil and Gas Exploration and Development</u>, Third Edition, January 1989.
- C. If the access road is dry during construction, drilling, and completion activities water the access road to help road compaction and minimize soil loss due to blowing dust.
- D. Road construction is to be monitored by a qualified individual agreed to by the authorized officer and the operator. Compaction of the subgrade with water and heavy equipment to a density higher than the surrounding subsurface is required during construction.
- E. Cattleguard: No cattleguard will be required.

F. Maintenance:

Operator shall regularly maintain the road in a safe, usable condition. A regular maintenance program shall include, but not be limited to, blading, ditching, culvert installation, drainage installation, surfacing, and cattleguards, as needed. Design, construction, and maintenance of the road will be in compliance with the standards contained in BLM Manual, Section 9113 (Roads), and in the "Gold Book", Oil and Gas Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition.

- 3. Location of existing wells: See Exhibit C
- Location of Existing and/or Proposed Production Facilities 4.
 - A. Existing facilities: See Exhibit C
 - B. New production facilities well be utilized:

Pumping Unit Treater

Gas to be vented

400 bbl Oil Tank

400 bbl Water Tank

55 Gallon Ethylene Glycol tank

Pumping Unit

Lines are to be 3" schedule 80 welded flowline in insulated bundle with 2 - 1.5"

Glycol heat trace lines and a 1" fuel line.

- C. Facilities are limited to existing drilling pad (Exhibit D).
- D. Containment berms will be installed to the following minimums: 18" wide on top, 36" wide at the base, and 24" tall. Width and length of berm will be sufficient to contain 110% of maximum stored volume. All produced water will be disposed of via truck transport to the Murrays disposal, La Pointe, Utah. An "as built" drawing will be submitted with site security diagram.
- E. All above ground permanent structures (permanent means on-site for longer than 90 days) not subject to safety requirements shall be painted Desert Tan.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Location: Water will be supplied by Nebecker Trucking of Roosevelt, Utah. Water source Will be from their collection box set over an un-named natural spring located In the NE/4, Sec. 32, T6S-R20E @ 1320' FSL, 1320' FWL, under the water right Of Mr. Eugene Brown, permit # 43-9077.
- B. Method of transportation: Water is to be hauled via truck by Nebecker Trucking.
- C. Water well to be drilled: None.
- D. Water Pipeline - None

6. SOURCE OF CONSTRUCTION MATERIALS

- A. Location: Native materials obtained during construction.
- B. From Federal or Indian lands: Indian lands.
- C. Where materials will be used: On location and access road.
- Access roads on Federal or Indian lands: Indian lands. D.

7. Methods of Handling Waste Disposal

All state and local laws and regulations pertaining to disposal of human and solid waste will be complied with.

- A/B. Cuttings and drilling fluids: Cuttings and drilling fluids will be contained in the reserve pit.
- C. Produced fluids: Tanks will be used for storage of produced fluids during testing. Fracture stimulation fluids will be flowed back into the reserve pit for evaporation.
- D. Sewage: Sewage will be contained in above ground storage tanks (Exhibit D). All applicable permits will be secured prior to installation. Upon completion of the project, sewage will be hauled to an approved sewage treatment facility for disposal.
- E. Burnable waste will be contained in a portable trash cage. This waste will be transported to a State approved waste disposal site upon completion of operations.
- F. Proper clean up of well site: Upon completion of drilling, all trash and litter will be picked up and placed in the trash cage. The reserve pit will be fenced on 3 sides during drilling and the 4th side will be fenced when drilling is completed. The reserve pit will remain fenced until dry, at which time it will be backfilled to depth of at least 5 feet of soil material.
- G. No chemicals subject to reporting under SARA Title III (hazardous material) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, of disposed of in association with the drilling of this well.

8. Ancillary Facilities: None

9. Wellsite Layout

- A. Drill pad cross sections, cuts and fills (see Exhibits E).
- B. Location of pits and stockpiles: See diagram (Exhibit D) for location of mud tanks, reserve pit, burn and trash pit, pipe racks, living facilities and soil material stockpiles.
- C. Pad orientation: See rig layout diagram (Exhibit D) for rig orientation, parking areas and access roads.
- D. O.S.H.A. requirements: Area needed to conduct the fracturing operations, if necessary, in a safe manner and in accordance with O.S.H.A. standards will be within the areas already disturbed or agreed upon at the presite examination.
- E. Surface Runoff: In order to divert surface runoff, a drainage ditch will be constructed around the upslope side of the well site.
- F. Construction activity will not be conducted using frozen or saturated soil material or during periods when watershed damage is likely to occur.
- G. Confine all equipment and vehicles to the access road, pad and spoil and topsoil storage areas.

- H. Strip eight inches of topsoil from the wellpad and spoil storage area prior to any other construction activity.
- I. Compact the fill section of the pad that supports the drill rig and any other heavy equipment.

Flagging and Staking

Centerline road flagging: The proposed route of the new access road is flagged as shown on map (Exhibit B). Slope, grade and other control stakes will be placed as necessary to ensure construction in accordance with the road specifications. The cut and fill slopes and spoil storage areas will be marked with a stake as necessary. The tops of the stakes or laths shall be painted or flagged in a distinctive color. All boundary stakes and/or laths shall be maintained in place until final construction cleanup is completed. If stakes are disturbed, they shall be replaced before proceeding with construction.

Fences

Prior to the onset of drilling, a "stock tight" fence shall be installed on three sides of the reserve pit. This fence will be either (1) woven wire at least 28 inches high and within four inches of ground surface with two strands of barbed wire above the woven wire with 10-inch spacing, or (2) at least five strands of barbed wire spaced, starting from the ground, at approximately 6-, 8-, 10-, and 12-inch intervals. The fourth side of the reserve pit will be fenced after the drilling rig moves off the location.

Syphons

Install syphons, catchments, and absorbent pads to keep hydrocarbons produced by the drill rig from entering the reserve pit. Ensure that hydrocarbons and contaminated pads are disposed of in accordance with Utah DEQ requirements.

Reserve Pits

The reserve pit will be examined by the operator and the authorized officer after construction and prior to the addition of any fluids to determine if the materials are permeable and potentially capable of allowing transfer of pit contents to the groundwater. If permeable, supplemental pit lining will be required, such as bentonite clay or a membrane liner. The type of lining use will be mutually agreed to by the operator and the authorized officer.

Backfill reserve pit as soon as dry after drilling and completion operations are finished. If natural evaporation of the reserve pit is not feasible, alternative methods of drying, removal of fluids, or other treatment must be developed. If fluids will be disposed of by any method other than evaporation or hauling to a DEQ approved disposal pit, prior approval by the BLM is required. NOTE: If disposal involves proposed discharge or transport, Utah DEQ approval is necessary.

The reserve pit bottom and side walls shall be void of any sharp rocks that could puncture the liner.

If liner is required, then: Line the reserve pit prior to putting any fluids into it. The pit liner must have a mullen burst strength that is equal to or exceeds 300 pounds, a puncture strength that is equal to or exceeds 160 pounds, and grab tensile strengths that are equal to or exceeds 150 pounds. These are to be verified test results run according to ASTM test standards. In addition, the liner must be totally resistant to deterioration by hydrocarbons.

Liners must be installed over smooth fill subgrade which is free of pockets, loose rocks, or other materials which could damage the liner. Sand, sifted dirt, or bentonite are suggested.

Testing

If drilling fluids are transferred from this well to the next well in the drilling plan, then the fluids will be tested at the well logging stage of drilling operations using Utah DEQ Guideline parameters. This water analysis standard is incorporated in a packet submitted by Western Environmental Services and Testing Inc. as part of their water analysis packages. Any other company doing water testing will also have to test for the elements listed in the Utah DEQ Guideline parameters.

In order to ensure timely review of the water quality data, the operator is required to have a Utah DEQ approved firm contracted to conduct water samples, send a copy of water quality test results to the Vernal BLM office at the same time that they are sent to the operator.

10. Plans for Reclamation of the Surface

- A. Rat and mouse holes shall be filled and compacted from bottom to top immediately upon release of the drilling rig from the location.
- B. Spread topsoil from the berms and/or storage piles along the road's cut and fill slopes. Do not block drainage ditches or culverts with topsoil and associated organic matter. Seed the topsoiled areas as stated below.
- C. Recontour the unused area of the pad, spread topsoil six inches deep, rip the area on the contour one ft. deep using ripper teeth set on one ft. centers. Seed the reclaimed area of the well pad and the access road cut and fill slopes as stated below.

Seeding

Seed mixture and application rates contained in the condition of approval will be applied. Seed all disturbed areas using a drill equipped with a depth regulator. All seed must be drilled on the contour. Plant the seed between one- quarter and one-half inches deep. Seed all disturbed areas using a drill equipped with a depth regulator. All seed must be drilled on the contour. Plant the seed between one-quarter and one-half inches deep. Where drilling is not possible (too steep or rocky), broadcast the seed and rake or chain the area to cover the seed. If the seed mixture is broadcast, double the rate listed below. The seeding shall be repeated until a satisfactory stand, as determined by the Authorized Officer, is obtained. The first evaluation of growth will be made following completion of the first growing season after seeding.

Pure live seed (PLS) formula: % of purity of seed mixture times % germination of seed mixture = portion of seed mixture that is PLS.

Seeding will take place after September 1 1998 and prior to ground frost.

11. LESSEE OR OPERATOR'S FIELD REPRESENTATIVE

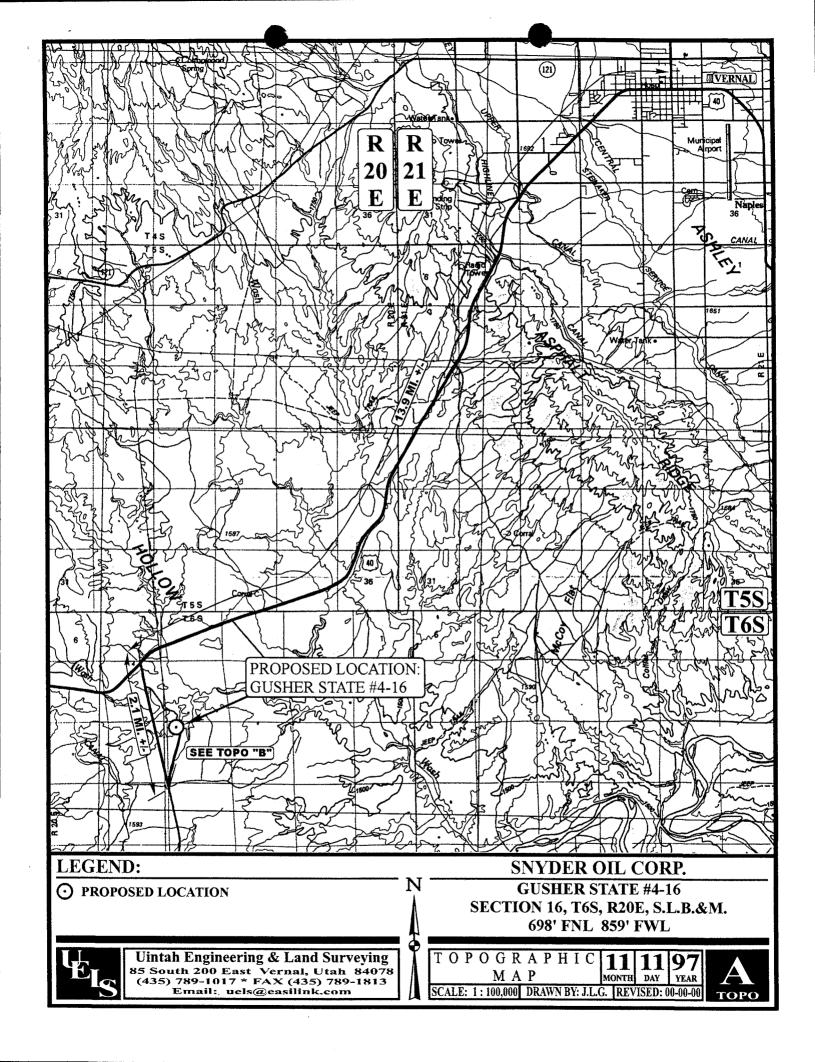
Operator
Joe Mazotti
Snyder Oil Corporation
1625 Broadway, Suite 2200
Denver, CO 80202
(303) 592-4643

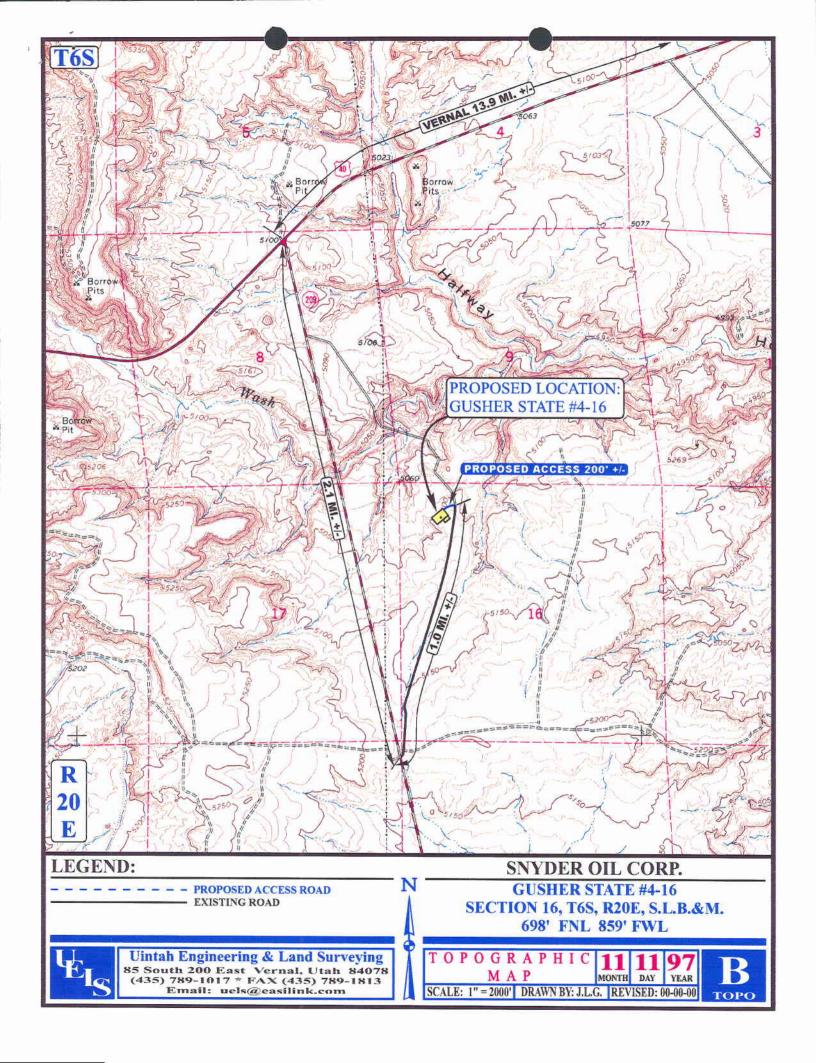
12. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Snyder Oil Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date

Joe Mazotti, Sr. Regulatory Specialist Snyder Oil Corporation





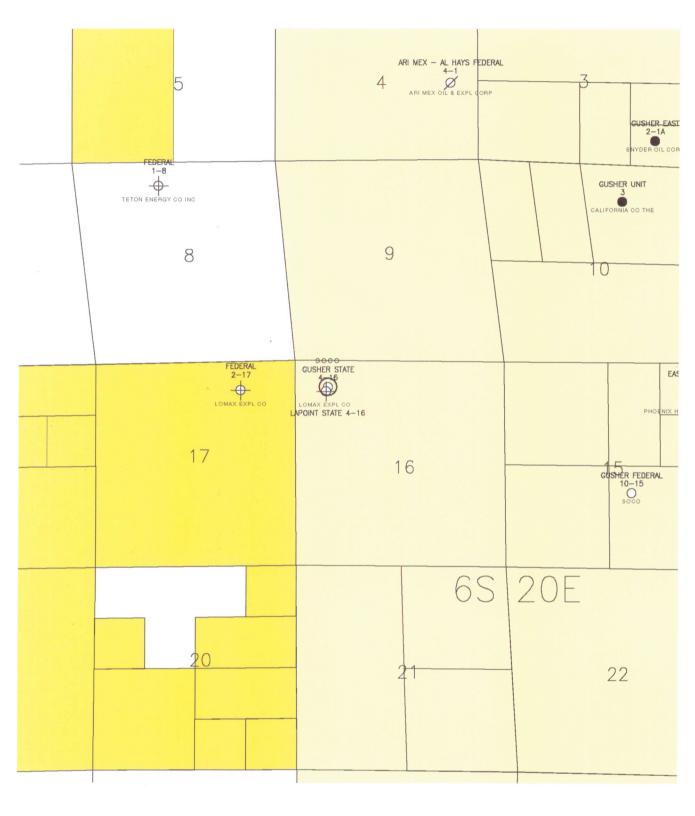




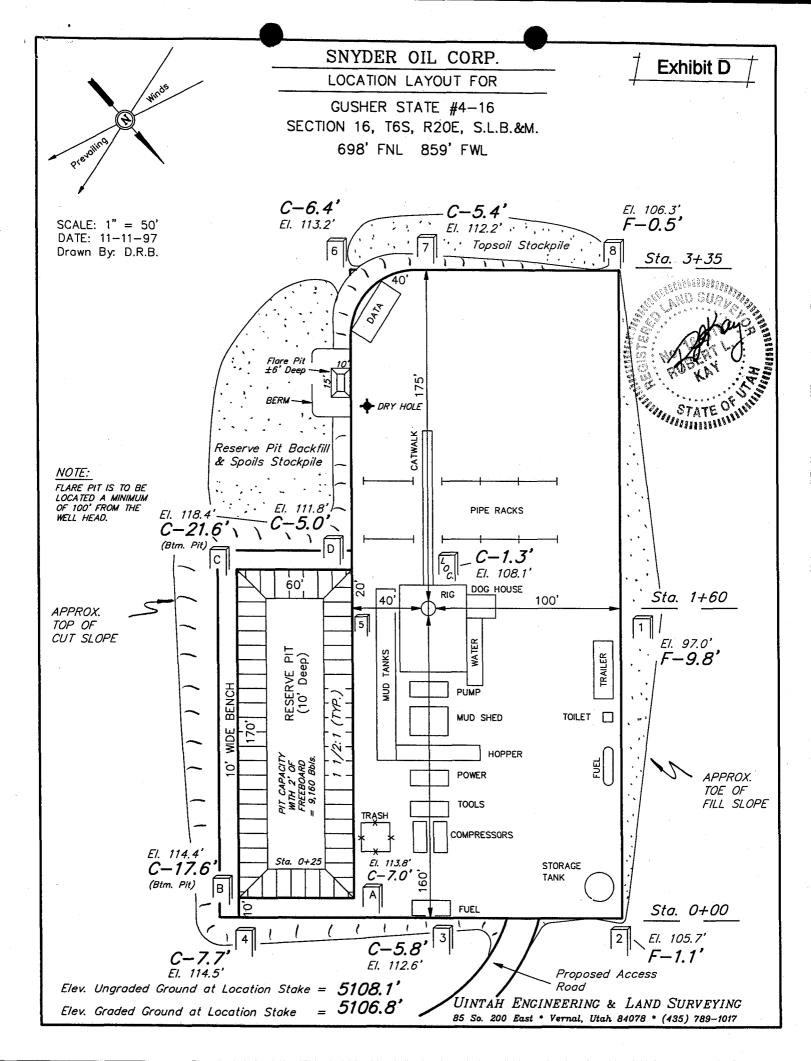


Exhibit C

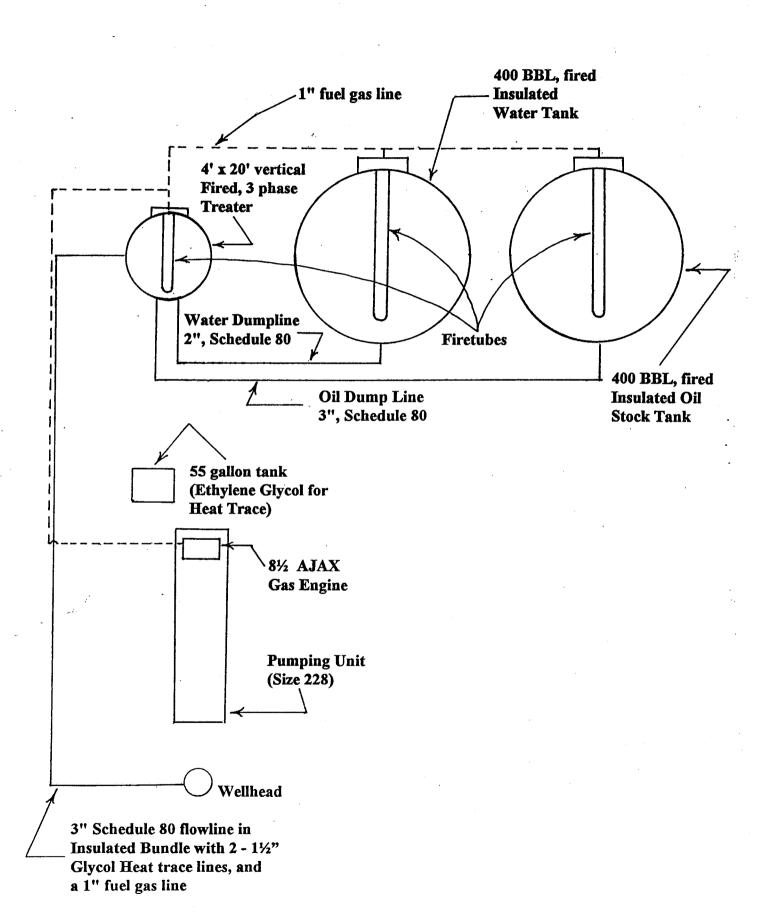
SNYDER OIL CORPORATION

GUSHER STATE #4-16 Sec. 16 T6S-R20E

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Rod Guice	Scale 1"= 2,000"	12/16/97



SNYDER OIL CORP. TYPICAL CROSS SECTIONS FOR GUSHER STATE #4-16 X-Section SECTION 16, T6S, R20E, S.L.B.&M. Scale 698' FNL 859' FWL 1" = 50DATE: 11-11-97 Drawn By: D.R.B. Preconstruction 40' 100' Grade FILL STA. 3+35 60' 40' 100' LOCATION STAKE Finished Grade STA. 1+60 60 40' 100' Slope= 1 1/2:1 (Typ.) CUT FILL STA. '0+25 100 CUT FILL NOTE: STA. 0+00 Topsoil should not be Stripped Below Finished Grade on Substructure Area. Exhibit E APPROXIMATE YARDAGES EXCESS MATERIAL AFTER 5% COMPACTION = 7,140 Cu. Yds. CUT Topsoil & Pit Backfill = 2,380 Cu. Yds. (6") Topsoil Stripping = 1,060 Cu. Yds. (1/2 Pit Vol.) Remaining Location = 9,820 Cu. Yds. EXCESS CUT MATERIAL = 4,760 Cu. Yds. TOTAL CUT = *10,880* CU.YDS. UINTAH ENGINEERING & LAND SURVEYING = 3,550 CU.YDS. FILL 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/18/97	API NO. ASSIGNED: 43-047-33036
WELL NAME: GUSHER STATE 4-16 OPERATOR: SNYDER OIL CORPORATION	(N1305)
PROPOSED LOCATION: NWNW 16 - T06S - R20E W SURFACE: 0698-FNL-0859-FEL BOTTOM: 0698-FNL-0859-FEL UINTAH COUNTY UNDESIGNATED FIELD (002) LEASE TYPE: STA LEASE NUMBER: ML - 46290 PROPOSED PRODUCING FORMATION: GRRV	INSPECT LOCATION BY: 01/15/98 TECH REVIEW Initials Date Engineering SRB 2/2/78 Geology Surface
RECEIVED AND/OR REVIEWED: Plat Bond: Federal[] State V Fee[] (Number 6736915) Potash (Y/N) Potash (Y/N) Vater permit (Number 43-9077) RDCC Review (Y/N) (Date:)	LOCATION AND SITING: R649-2-3. Unit: R649-3-2. General. R649-3-3. Exception. Drilling Unit. Board Cause no: Date:
COMMENTS: Carring OR, comenting STIPULATIONS: 1. Statement of	

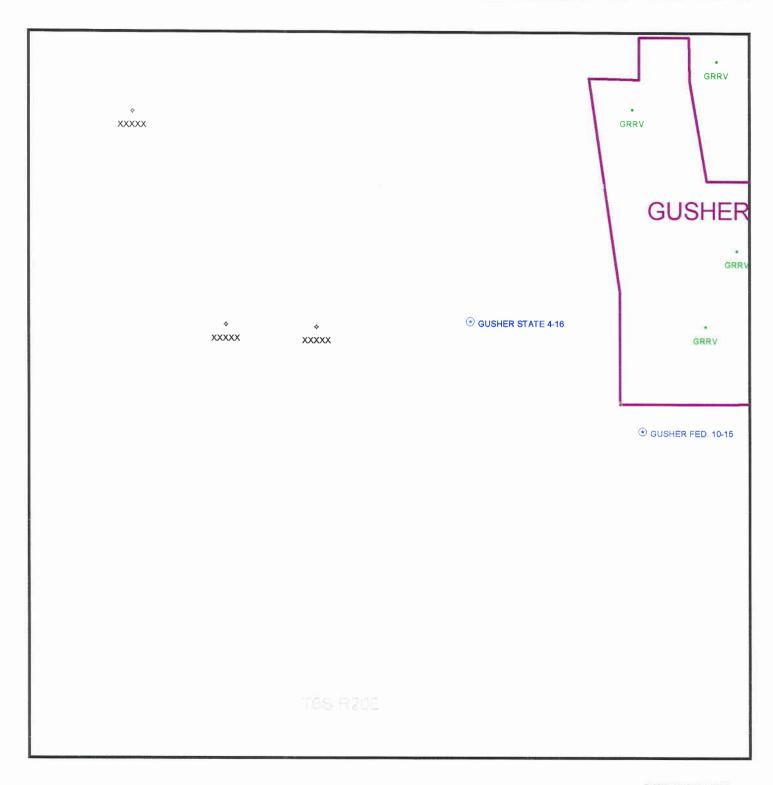


OPERATOR: SNYDER OIL CORPORATION (N1305)

FIELD: WILDCAT (001)

SEC. TWP. RNG.: SEC. 16, T6S, R20E

COUNTY: UINTAH UAC. R649-3-2

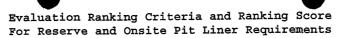


Division of Oil, Gas and Mining

OPERATOR: SNYDER OIL CORPORATION
WELL NAME & NUMBER: GUSHER STATE 4-16
API NUMBER: 43-047-33036
LEASE: ML46290 FIELD/UNIT: EAST GUSHER
LOCATION: 1/4,1/4 <u>NW/NW</u> Sec: <u>16</u> TWP: <u>6S</u> RNG: <u>20E 698'</u> F <u>NL 859</u> 'F <u>W</u> L
GPS COORD (UTM) NO READING
SURFACE OWNER: STATE INSTITUTIONAL TRUST LANDS ADMINISTRATION
PARTICIPANTS DILL NYLAND DOD CLICE (CNYDED). DAVID HACKEODD (D.O.C.M.)
BILL NYLAND, ROD GUICE (SNYDER): DAVID HACKFORD (D.O.G.M.)
REGIONAL/LOCAL SETTING & TOPOGRAPHY
SITE IS LOCATED ON AN ERODED BENCH WITH NEARBY BADLANDS AND GULLIES
DRAINING TO HALFWAY HOLLOW LOCATED 1500' TO THE NORTH. THIS HOLLOW
DRAINS TO THE EAST TOWARD THE GREEN RIVER.
DIGINO TO THE BAST TOWARD THE CREBA RIVER.
SURFACE USE PLAN
CURRENT SURFACE USE: LIVESTOCK AND WILDLIFE GRAZING. HUNTING.
PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 335' X 200.
ACCESS ROAD WILL BE 200 FEET.
LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP
FROM GIS DATABASE.
LOCATION OF PRODUCTION FACILITIES AND PIPELINES:
ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER
DRILLING WELL.
SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE
BORROWED FROM THIS SITE DURING CONSTRUCTION AND IS NATIVE.
ANGELLADY DAGILLETTE NONE WILL DE DEGULDED
ANCILLARY FACILITIES: NONE WILL BE REQUIRED.
WASTE MANAGEMENT PLAN:
DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT
WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO
STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE
HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH
BASKETS AND HAULED TO AN APPROVED LAND FILL.
ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE.

FLORA/FAUNA: SAGEBRUSH, GALLETA GRASS, GREASEWOOD, PRICKLY PEAR:
PRONGHORN, RODENTS, COYOTES, BIRDS, RABBITS,
SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY LOAM.
SURFACE FORMATION & CHARACTERISTICS: ROCKS EXPOSED NEARBY ARE PART OF
THE BRENNAN BASIN MEMBER OF THE DUCHESNE RIVER FORMATION.
EROSION/SEDIMENTATION/STABILITY: MINOR EROSION, MINOR SEDIMENTATION,
NO STABILITY PROBLEMS ANTICIPATED.
PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.
RESERVE PIT
CHARACTERISTICS: 170' BY 50' AND 10' DEEP.
LINER REQUIREMENTS (Site Ranking Form attached): A LINER WILL NOT BE REQUIRED.
SURFACE RESTORATION/RECLAMATION PLAN
AS PER STATE LANDS.
SURFACE AGREEMENT: STATE TRUST LANDS.
CULTURAL RESOURCES/ARCHAEOLOGY: AN ARCHAEOLOGICAL INVESTIGATION HAS BEEN
CONDUCTED BY JOHN SENULIS OF SENCO-PHENIX. A REPORT OF THIS INVESTIGATION
WILL BE PLACED ON FILE.
OTHER OBSERVATIONS/COMMENTS
INVESTIGATION WAS DONE ON A COLD, SUNNY DAY WITH 5" SNOW COVER.
ATTACHMENTS:
PHOTOS OF PROPOSED SITE WILL BE PLACED ON FILE.
DAVID W. HACKFORD 1/8/98 11:00 AM DOGM REPRESENTATIVE DATE/TIME



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<u>Site-Specific Factors</u>		<u>Ranking</u>	Site Ranking
Distance to Groundwater (feet)			
>200	0		
100 to 200	5		
75 to 100	10		
25 to 75	15 20		0 .
<25 or recharge area	20		
Distance to Surf. Water (feet)			
>1000	0		
300 to 1000	2		
200 to 300	10		
100 to 200	15		1.0
< 100	20		10
Distance to Nearest Municipal Well	l (feet)		
>5280	0		
1320 to 5280	5		
500 to 1320	10		
<500	15		0
Distance to Other Wells (feet)			
>1320	0		
300 to 1320	10		
<300	20		0
W-11 0017 m			
Native Soil Type	0		
Low permeability Mod. permeability	0 10		
High permeability	20		0
J F			
Fluid Type			
Air/mist	0		
Fresh Water	5		
TDS >5000 and <10000	15		
TDS >10000 or Oil Base Mud Fluid containing high	20		
levels of hazardous constitue	ents		5
Drill Cuttings			
Normal Rock	0		0
Salt or detrimental	10		<u> 0</u>
Annual Precipitation (inches)			
<10	0		
10 to 20	5	· ·	
>20	10		<u> </u>
Affected Populations			
<10	0		
10 to 30	6		
30 to 50	8		
>50	10		<u> </u>
Drogongo of Moonh- III-11-1-			
Presence of Nearby Utility Conduits			
Not Present	0		
Unknown	10		
Present	15		. 0.

Final Score ____15

Michael O. Leavitt Governor Ted Stewart Executive Director Lowell P. Braxton Division Director 1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax) 801-538-7223 (TDD)

February 3, 1998

Snyder Oil Corporation 1625 Broadway Ste 2200 Denver, CO 80202

Re: East Gusher, Gusher State 4-16, 698' FNL, 859' FWL, NW NW SEC. 16, T. 6 S., R. 20 E., Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-33036.

Sincerely,

John R. Baza

/ Associate Director

ls

Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

		Snyder Oil Corporation	
Well Name 8	Number:	Gusher State 4-16	
API Number:	<u> </u>	43-047-33036	
Lease:		ML-46290	
Location:	NW NW	Sec. 16 T. 6 S. R.	20 E.
	A Particular Services	Conditions of Approval	

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

Notification Requirements
 Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334.

- 3. Reporting Requirements
 All required reports, forms and submittals shall be promptly
 filed with the Division, including but not limited to the
 Entity Action Form (Form 6), Report of Water Encountered
 During Drilling (Form 7), Weekly Progress Reports for
 drilling and completion operations, and Sundry Notices and
 Reports on Wells requesting approval of change of plans or
 other operational actions.
- 4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis dated January 12, 1998(copy attached).



Michael O. Leavitt
Governor
Ted Stewart
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax) 801-538-7223 (TDD)

March 12, 1999

Joe Mazotti Snyder Oil Corporation 1625 Broadway, Suite 2200 Denver, Colorado 80202

Re:

APD Rescinded -- Gusher State 4-16 Well, Sec. 16, T. 6S, R. 20E, Uintah County, Utah, API No. 43-047-33036

Dear Mr. Mazotti:

The Application for Permit to Drill for the subject well was approved by the Division of Oil, Gas and Mining on February 3, 1998. No drilling activity at this location has been reported to the division. Due to the excessive time delay in commencing drilling operations, approval to drill the well is hereby rescinded, effective immediately.

Please note that a new Application for Permit to Drill must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

Don Staley

Information Services Manager

Oil and Gas

cc:

J.R. Baza

L.E. Cordova Well File





Snyder Presite 605her 57 ste 4-16 43-047 \$ 33036 Looking Swest



Snyder Presite Gusher State 4-16 43-047 33036 Looking Fast



Snyder & Presite 60sher 57 10 4-16 43-047-33036 Looking South

